

**FIVE-YEAR
CALIFORNIA INTEGRATED WASTE MANAGEMENT PLAN REVIEW
ANALYSIS**

SAN JOAQUIN COUNTY

Prepared by the

SAN JOAQUIN COUNTY

DEPARTMENT OF PUBLIC WORKS

SOLID WASTE DIVISION

JULY 18, 2003

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August 8, 2003

Ms. Yasmin Satter
California Integrated Waste Management Board
Cal-EPA Building
1001 "I" Street
Post Office Box 4025
Sacramento, California 95812-4025

SUBJECT: SAN JOAQUIN COUNTY FIVE YEAR COUNTYWIDE INTEGRATED WASTE
MANAGEMENT PLAN (CIWMP) REVIEW

Dear Ms. Satter:

On behalf of the Cities of Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, and Tracy, and the Unincorporated County of San Joaquin, attached is a copy of the Five-Year Countywide Integrated Waste Management Plan Review Report. In conformance with Section 41822 of the Public Resources Code, the Cities and County have reviewed the Countywide Integrated Waste Management Plan (CIWMP).

The San Joaquin County Integrated Waste Management Task Force (Task Force), has reviewed the draft and final revisions of the CIWMP, and has approved the changes as submitted in this report. The review has occurred outside of the mandated timeline in order to include changes under review by the California Integrated Waste Management Board (CIWMB) associated with the mandated 50 percent diversion requirements for the year 2000.

The Task Force has determined that a CIWMP revision is not necessary at this time. Guided by the current CIWMP, the Cities and Unincorporated County will continue to implement programs and strive to fulfill the goals of the 1989 Integrated Waste Management Act.

If you have any questions or comments, please contact Alison Hudson, Management Analyst III, at (209) 468-3066.

Sincerely,

JAIME L. PEREZ
Interim Integrated Waste Manager

JLP:AH:mr
P:Scott/Five Year Review/6 San Joaquin County Five Year Review Analysis

c: Integrated Waste Management Task Force Members
Tom Flinn, Director of Public Works
Steve Winkler, Deputy Director/Operations
Alison Hudson, Management Analyst III
Planning Committee Members

Attachment

PL 23132

San Joaquin County Integrated Waste Management Plan Five-Year Review Analysis

Introduction: San Joaquin County (County) is required to review the Integrated Waste Management Plan five years from the approval date of their Countywide Integrated Waste Management Plan (CIWMP). At the March 27, 2003 meeting of the San Joaquin County Local Task Force (Task Force), the five-year CIWMP review was agendized. The Task Force discussed a summary of the CIWMP review conducted by its staff, including the review process, the content and adequacy of the planning documents, observations on the current applicability of the CIWMP, and recommendations. At that meeting, the Task Force approved that a letter be sent to the County transmitting the Task Force written comments.

Timeline: The California Integrated Waste Management Board (CIWMB) staff has 90 days to review this document and bring it before the CIWMB for approval or disapproval. The item will be heard at a scheduled Board Meeting.

Review: This review consists of an analysis of all points that Counties were required to address under PRC Section 18788(a)(3)(A). They are presented here in sequential order, with analysis included under each item.

A) Changes in demographics in the County or regional agency:

San Joaquin County has experienced very significant growth from 1990 to 2000. Since 1990, the Countywide population has increased 17 percent while employment has increased 26 percent, and taxable sales have increased 75 percent. The table below includes more specific data for San Joaquin County's demographics.

San Joaquin County Demographics

| Jurisdiction | 1990 | 2000 | Difference | % Change |
|--------------------------|---------|---------|------------|----------|
| POPULATION | | | | |
| Escalon | 4,437 | 5,825 | 1,388 | 23.83% |
| Lathrop | 6,841 | 9,975 | 2,914 | 29.87% |
| Lodi | 51,874 | 57,900 | 6,026 | 10.41% |
| Manteca | 40,773 | 49,500 | 8,727 | 17.63% |
| Ripon | 7,455 | 10,400 | 2,945 | 28.32% |
| Stockton | 210,943 | 247,300 | 36,357 | 14.70% |
| Tracy | 33,558 | 54,200 | 1,388 | 23.83% |
| Unincorporated SJ County | 124,747 | 131,400 | 6,653 | 5.06% |
| Countywide Population | 480,628 | 566,600 | 85,972 | 15.17% |

Jurisdiction

| EMPLOYMENT | 1990 | 2000 | Difference | % Change |
|-----------------------|---------|---------|------------|----------|
| Countywide Employment | 208,500 | 237,800 | 29,300 | 14% |

Jurisdiction

| TAXABLE SALES (1000's) | 1990 | 2000 | Difference | % Change |
|--------------------------|-----------|-----------|------------|----------|
| Escalon | 30,184 | 62,989 | 32,805 | 52.08% |
| Lathrop | 61,707 | 129,292 | 67,585 | 52.27% |
| Lodi | 428,453 | 693,337 | 264,884 | 38.20% |
| Manteca | 259,453 | 496,267 | 236,814 | 47.72% |
| Ripon | 30,440 | 113,112 | 82,672 | 73.09% |
| Stockton | 1,779,380 | 2,701,815 | 922,435 | 34.14% |
| Tracy | 197,749 | 648,635 | 450,886 | 69.51% |
| Unincorporated SJ County | 604,794 | 1,080,559 | 475,765 | 44.03% |

| Consumer Price Index | 1990 | 2000 | Difference | % Change |
|----------------------|-------|-------|------------|----------|
| Countywide | 132.1 | 174.8 | 43 | 24.43% |

HOUSING TABLES

An analysis of housing in San Joaquin County shows a significant increase in single family, multi-family, and mobile home residences. See the following tables for more detailed data.

DWELLING INFORMATION- HOUSING UNITS

| Jurisdiction | 1990 | 2000 | Difference | % Change |
|-------------------------------|---------|---------|------------|----------|
| Escalon | 1,744 | 2,132 | 388 | 22.25% |
| Lathrop | 1,915 | 2,991 | 1,076 | 56.19% |
| Lodi | 19,298 | 21,378 | 1,702 | 7.96% |
| Manteca | 13,559 | 16,937 | 3,378 | 24.91% |
| Ripon | 2,710 | 3,446 | 736 | 27.16% |
| Stockton | 68,397 | 82,042 | 13,645 | 19.95% |
| Tracy | 12,399 | 18,457 | 6,957 | 56.11% |
| Unincorporated SJ County-2000 | 40,500 | 41,777 | 1,277 | 3.15% |
| Total County | 160,522 | 189,160 | 28,638 | 17.84% |

Although significant increases can be seen in these demographic indicators, the programs and facilities in San Joaquin County appear to have sufficient elasticity to handle the increasing inputs. The large increase in dwellings, particularly within the Cities of Tracy and Stockton, have not lead to a dramatic change in diversion rates.

B) Changes in quantities of waste within the County or regional agency:

The amount of waste disposed Countywide has increased by approximately five percent between 1995 and 2000. Countywide waste disposal has actually decreased approximately six percent from the 1990 disposal total (185,698 tons), to the 2000 disposal total (175,038 tons).

DISPOSAL TOTALS (Tons)

The table below shows a summary of disposal for all the jurisdictions within San Joaquin County.

| DISPOSAL TONNAGE TRENDS (1996-2000) | | | | | |
|-------------------------------------|---------|---------|---------|---------|---------|
| Jurisdiction | 1996 | 1997 | 1998 | 1999 | 2000 |
| Escalon | 5,264 | 5,479 | 8,123 | 8,587 | 13,309 |
| Lathrop | 7,426 | 14,288 | 13,072 | 16,406 | 16,931 |
| Lodi | 51,036 | 66,464 | 61,199 | 63,418 | 81,642 |
| Manteca | 37,236 | 36,161 | 43,039 | 45,256 | 46,696 |
| Ripon | 8,619 | 9,020 | 9,329 | 10,456 | 10,652 |
| Stockton | 224,246 | 247,703 | 265,619 | 302,406 | 322,363 |
| Tracy | 47,608 | 57,984 | 55,905 | 68,855 | 70,780 |
| Unincorporated SJ County | 112,378 | 139,823 | 144,615 | 131,739 | 124,066 |

SAN JOAQUIN COUNTY DIVERSION RATES

The following table lists the approved diversion rates for all San Joaquin County jurisdictions from 1995 through 2000.

| DIVERSION RATES (1996-2000) | | | | | |
|-----------------------------|------|------|------|------|------|
| Expressed in percentage | | | | | |
| Jurisdiction | 1996 | 1997 | 1998 | 1999 | 2000 |
| Escalon | 33 | 35 | 3 | 25 | 47 |
| Lathrop | 33 | 74 | 74 | 75 | 72 |
| Lodi | 44 | 29 | 37 | 51 | 51 |
| Manteca | 24 | 27 | 28 | 50 | 50 |
| Ripon | 74 | 74 | 73 | 73 | 74 |
| Stockton | 27 | 24 | 24 | 40 | 47 |
| Tracy | 41 | 31 | 39 | 37 | 37 |
| Unincorporated SJ County | 32 | 21 | 20 | 66 | 66 |

Comparison of SRRE 2000 Projected Disposal Tonnage vs. 2000 Disposal Total

The following table is a comparison of the SRRE projected tonnage to the actual tonnage reported through the Disposal Reporting System. These projections have a fairly large disparity between projected and actual values, particularly in the Unincorporated County.

| Comparison of SRRE 2000 Projected Disposal Tonnage vs. 2000 Reported Disposal Tonnage | | | |
|---|----------------|-------------------|--------------|
| Jurisdiction | SRRE Projected | Disposal Reported | % Difference |
| Escalon | 4309 | 13,309 | 309% |
| Lathrop | 9020 | 16,931 | 188% |
| Lodi | 81,954 | 81,642 | -0.38% |
| Manteca | 46,950 | 46,696 | -1.00% |
| Ripon | 11,631 | 10,652 | -8% |
| Stockton | 319,000 | 322,363 | 1% |
| Tracy | 78,667 | 70,780 | -11% |
| Unincorporated SJ County | 63,303 | 124,066 | 196% |

Comparison of SRRE 2000 Projected Waste Generation Tonnage vs. 2000 Calculated Estimated Waste Generation Tonnage (Adjustment Methodology) and Estimated by New Base Year Studies*

The following table provides a comparison of the SRRE projected waste generation to the 2000 calculated waste generation tonnage utilizing the adjustment method, and/or to the generation tonnages submitted by the jurisdictions in their new base year studies as appropriate.

| Jurisdiction | SRRE Projected | Adjustment Methodology | % Difference | New Base Year (2000) Waste Gen. Study* | % Difference |
|--------------------------|----------------|------------------------|--------------|--|--------------|
| Escalon | 8867 | | | 24,526 | 277% |
| Lathrop | 18626 | 49,497 | 165% | --- | |
| Lodi | 184,093 | | | 165,358 | 90% |
| Manteca | 54,810 | | | 95,561 | 174% |
| Ripon | 25,923 | 18,355 | 29% | N/A | |
| Stockton | 451,000 | | | 555,190 | 123% |
| Tracy | 101,000 | 112,702 | 11% | | |
| Unincorporated SJ County | 149,587 | | | 369,581 | 247% |

C) Changes in funding sources for administration of the Siting Element and Summary Plan:

San Joaquin County's report indicates that no changes in the basic funding sources have occurred. Program funding for the Unincorporated County comes from the County Solid Waste Enterprise Fund, which derives money from tipping fees. Funding for locally based programs in the Cities come from local refuse rates for collection service, grant funds, and other sources. Lathrop instituted a fee of three percent in order to fund programs to implement AB 939 programs. The City of Stockton implemented a 3.5 percent fee on haulers' contracts to fund future solid waste and recycling budgets.

D) Changes in Administrative Responsibilities:

San Joaquin County's report indicates there has been some reorganization of responsible personnel, but no significant changes have occurred in the administration of the CIWMP.

E) Programs that were scheduled to be implemented but were not, a statement as to why they were not implemented, the progress of programs that were implemented, the progress of programs that were implemented, a statement as to whether programs are meeting their goals, and if not, what contingency measures are being enacted to ensure compliance with PRC 41751:

Some programs have been expanded and additional programs have been implemented. All program implementation has been discussed in Annual Reports submitted by San Joaquin County jurisdictions.

F) Changes in permitted disposal capacity, and quantities of waste disposed of in the County or regional agency:

San Joaquin County and its Cities have sufficient disposal capacity for 38 years, utilizing both public and privately owned landfills. Excluding the privately owned Forward Landfill, sufficient capacity exists in the County owned Foothill and North County Landfills to last for 32 years. See following Table.

Remaining Capacity of Landfills Within San Joaquin County Measured in Thousand CYs/Tons

| DISPOSAL CAPACITY | 1990 | 2000 | 2000 | 2000 |
|---------------------------|---------------|----------------|---------------|------------------------|
| Jurisdiction | Tons | CYs | Tons | Publicly Owned Tons |
| Austin Road Landfill | 1,100 | 18,100 | 9,050 | |
| Forward, Inc. Landfill | 2,000 | 13,894 | 6,947 | |
| Combined Austin & Forward | | 17,020 | 8,510 | |
| North County Landfill | | 13,239 | 6,620 | 6,620 |
| Foothill Landfill | 27,000 | 94,696 | 47,348 | 47,348 |
| Harney Lane Landfill | 200 | Closed | Closed | Closed |
| Corral Hollow Landfill | 400 | Closed | Closed | Closed |
| French Camp Landfill | 591 | Closing | Closing | |
| Total Capacity | 31,291 | 156,949 | 78,475 | 53,968 |

Other changes which have occurred which do not significantly impact the Siting Element are as follows:

- Permitted expansion of the existing Austin Road Landfill
- Sale of the French Camp and Austin Road Landfills to owners of the adjacent Forward, Inc. Landfill
- Combining the Austin Road and Forward Landfills under one permit, and vertical expansion over the combined footprint
- Beginning of closure process for the French Camp Landfill

G) Changes in available markets for recyclable materials:

No significant changes in markets have arisen other than the fluctuations associated with those markets.

H) Changes in the implementation schedule:

Changes in the implementation schedule have occurred, but did not significantly affect the ability of the County and Cities to realize planned diversion levels in 2000. Changes in implementation of programs have been sufficiently addressed under the cover of all Annual Reports submitted by San Joaquin County jurisdictions.

Staff Recommendation: No revision is necessary. All adjustments to planning documents can be handled through the cover of the Annual Reports and periodic amendments to the Siting Element and the Non-Disposal Facility Element, as needed. The Countywide Integrated Waste Management Plan and planning documents for San Joaquin County still apply to the current demographics, quantities of waste, funding sources, administrative responsibilities, program implementation, disposal capacity, recycling markets, and implementation schedules. Additionally, staff will continue to provide technical assistance to the jurisdictions in their efforts toward continuing to meet diversion requirements.